
Autodesk® PowerShape® 2018

Mise en route



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Introduction

Les sections suivantes incluent des informations pour vous permettre de commencer à utiliser PowerShape :

Qu'est-ce que PowerShape ? (sur la page 2)

Démarrage de PowerShape (sur la page 3)

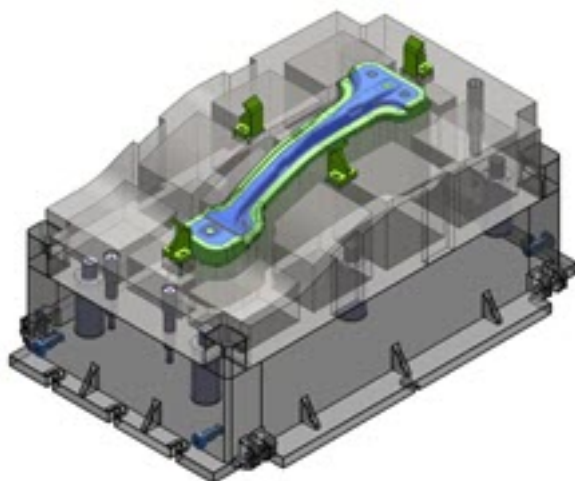
Interface utilisateur de PowerShape (voir "Interface utilisateur du ruban" sur la page 6)

Qu'est-ce que le navigateur ? (sur la page 15)

Obtenir de l'aide avec PowerShape (sur la page 17)

Qu'est-ce que PowerShape ?

PowerShape est un programme de modélisation CAO puissant qui facilite la préparation de modèles complexes pour la fabrication.



PowerShape combine les forces de modélisation surfacique, de solides et de maillage en une panoplie experte pour les fabricants de moules, de matrices et de pièces très complexes. Vous pouvez utiliser PowerShape pour concevoir des produits complexes à partir de rien.

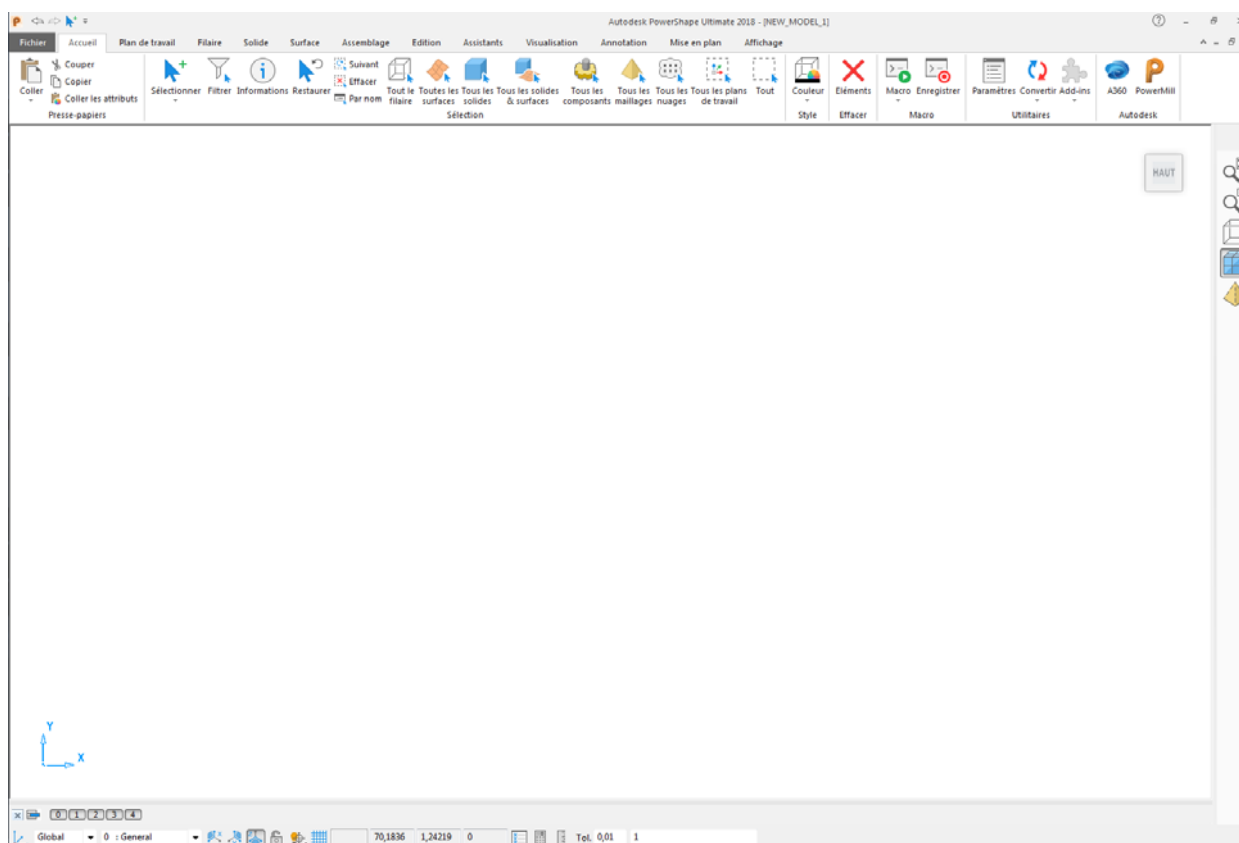
Démarrage de PowerShape

Pour démarrer PowerShape :

- 1 Depuis le menu **Démarrer** de Windows, sélectionnez **Tous les programmes** ou **Applications**.
- 2 Sélectionnez le dossier **Autodesk PowerShape 2018**.
- 3 Sélectionnez **PowerShape 2018**.

Après une courte attente, le programme démarre.

Ceci est la fenêtre principale de PowerShape :



Sinon, vous pouvez double-cliquer sur l'icône de PowerShape
*sur votre bureau pour démarrer PowerShape.*

Pour les options de démarrage avancées, voir :

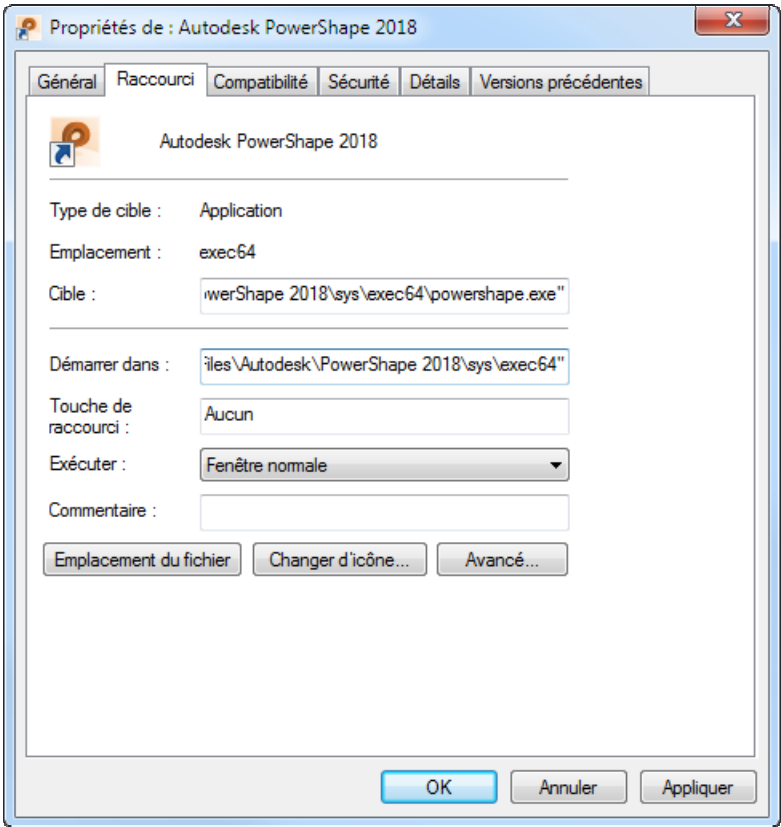
- Démarrage de PowerShape en utilisant différentes options (sur la page 4).
- Tableau des options de démarrage de PowerShape (sur la page 5).

Démarrage de PowerShape en utilisant différentes options

Vous pouvez démarrer PowerShape en utilisant différentes options, en ajoutant un sélecteur aux propriétés du programme :

- 1 Avant de démarre le programme, cliquer avec le bouton droit sur l'icône de PowerShape sur votre bureau et sélectionner **Propriétés** depuis le menu contextuel.

La boîte de dialogue **Propriétés de PowerShape** est affichée, affichant le chemin d'accès **cible** suivant :



- 2 A la fin du chemin d'accès **cible**, entrer un espace suivi du sélecteur du mode de démarrage (voir "Tableau des options de démarrage de PowerShape" sur la page 5) requis.

Vous pouvez également voir les modes de démarrage disponibles dans PowerShape, utiliser le sélecteur **-help** dans le chemin d'accès **cible** avant de démarrer le programme. une boîte de dialogue est affichée, indiquant les modes, lorsque vous démarrez PowerShape.

Tableau des options de démarrage de PowerShape

Les modes de démarrage disponibles sont décrits dans le tableau suivant.

Mode de démarrage	Sélecteur
Commandes	
Démarrer avec n niveau de vérification (-1->4)	-check_level n

Démarrer avec n core de base de données en MO (1 ou plus) Importer le fichier donné Charger le fichier modèle nommé Charger le fichier de bibliothèque nommé Lancer le fichier de macro Passer les arguments sur la macro au démarrage Voir ces options de mode de démarrage	-db_core n -import filename -file filename -library filename -macro filename -macro filename arguments -help
Tailles de fenêtre Démarrer en taille normale Démarrer en taille maximisée Démarrer en taille minimisée Définir la position, la largeur et la hauteur de la fenêtre Définir la taille et la position de la fenêtre	-normal -max -min size x,y,w,h -normal -window_size:0,0,1280,1000

Interface utilisateur du ruban

PowerShape utilise une interface de ruban personnalisable, contenant des onglets avec deux types de bouton (voir "Boutons" sur la page 8) et des info-bulles étendues (voir "Info-bulles" sur la page 17).



En plus, une barre d'outils d'accès rapide affichée au-dessus du ruban vous permet d'effectuer rapidement des fonctions standard tel qu'Enregistrer et Annuler sans utiliser le ruban.



Onglets

Sélectionnez un onglet pour le rendre actif et afficher les boutons dans cet onglet :

- **Fichier** — Affiche le mode Backstage, qui inclut des options pour ouvrir de nouveaux modèles ou des modèles existants, enregistrer, imprimer et accéder à boîte de dialogue **Options**.
- **Accueil** — Utilisez des commandes basiques tel que Supprimer, Annuler, Couper, Copier et Coller. Vous pouvez également utiliser les options de sélection et de conversion d'élément et accéder aux macros, aux paramètres et aux add-ins.
- **Plan de travail** — Créez des éléments de plan de travail et de point et ajoutez des éléments aux groupes de plan de travail.
- **Filaire** — Créez des éléments de ligne, d'arc, de courbe et d'autres éléments filaires et des éléments d'esquisse utilisant des contraintes.
- **Solide** — Créez des éléments de solide primitif et de formes de solide.
- **Surface** — Créez des éléments de surface primitive, utilisez le **surfaceur intelligent** et accédez aux options de fabrication.
- **Assemblage** — Créez des composants, ajoutez les à des assemblages et gérez les power-formes.
- **Edition** — Utilisez les transformations de base tel que Déplacer, Rotation, Mise à l'échelle et Décaler. Vous pouvez également aligner, limiter, projeter et morpher des éléments.
- **Assistant** — Utilisez les fonctions de Toolmaker pour séparer des pièces et créer des moules. Vous pouvez également créer des électrodes, activer des appareils de scan et de palpage et effectuer des opérations de taillage.

- **Visualisation** — Utilisez les options d'ombrage, d'analyse et de comparaison de modèle pour inspecter des modèles. Vous pouvez également spécifier le format des éléments sélectionnés.
- **Annotation** — Créez des éléments de texte, de bulle et de symbole. Vous pouvez également créer des cotes et des tableaux et spécifier des motifs de hachures.
- **Mise en plan** — Créez des dessins de géométrie et de vues de modèle.
- **Affichage** — Spécifiez la vue et l'apparence du modèle dans la fenêtre graphique.
- **Gérer** — Affiche des options d'édition spécifiques quand ce type d'élément est sélectionné. Par exemple, si un élément de solide est sélectionné, l'onglet Gérer (Outils de solide) s'affiche. Cet onglet contient des options telles que la sélection et la modification de face de solide et **Solid Doctor**. Les onglets Gérer disponibles sont :
 - Outils de courbe
 - Outils de solide
 - Outils de surface
 - Outils de maillage
 - Outils de nuage

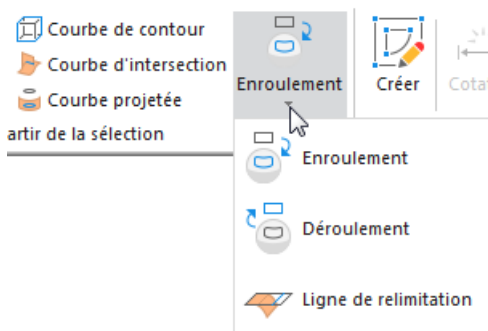


Pour de plus amples informations, voir la section Interface utilisateur du guide d'aide de référence.

Boutons

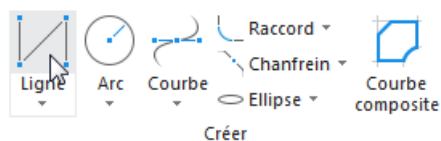
Le ruban contient deux types de boutons, les boutons de menu et les boutons partagés.

Quand cliqué, les boutons de menu affichent une liste de boutons :

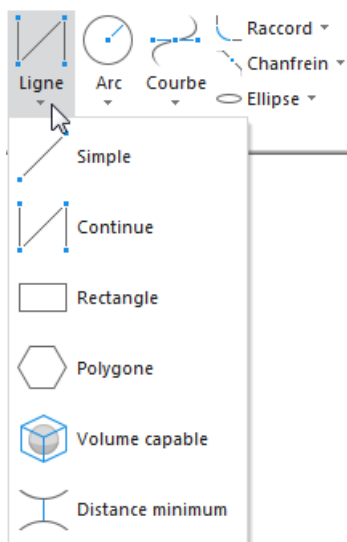


Sélectionnez l'option que vous voulez utiliser dans la liste.

Les boutons partagés comportent deux parties. Cliquez sur la partie supérieure d'un bouton partagé pour sélectionner le bouton actuellement affiché :



Cliquez sur la partie inférieure d'un bouton partagé pour afficher une liste de boutons :

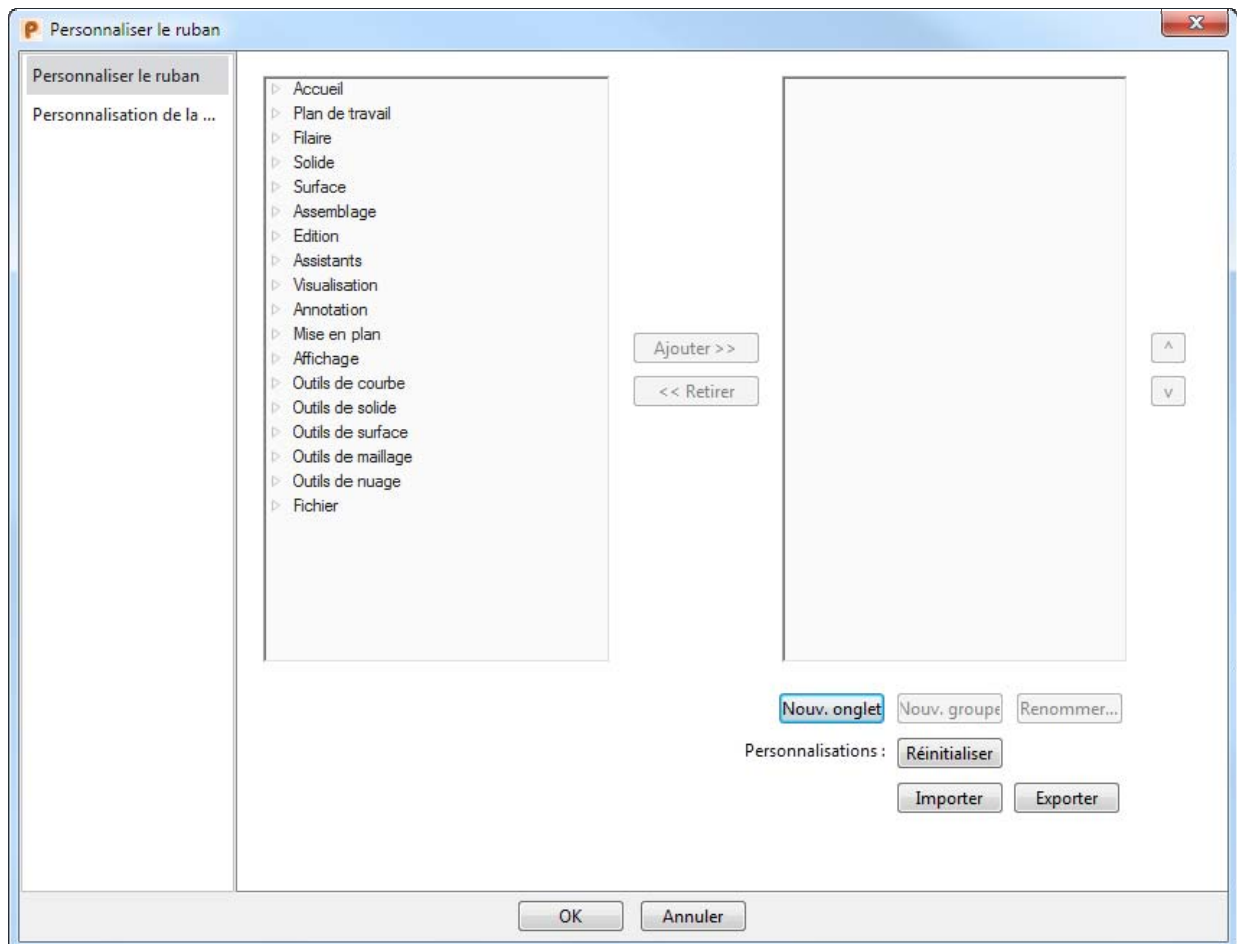


Sélectionnez l'option que vous voulez utiliser dans la liste. L'icône sur la partie supérieure du bouton est mise à jour pour refléter la sélection.

Personnalisation du ruban

Vous pouvez personnaliser le ruban en utilisant la page **Personnaliser le ruban**. Vous pouvez ajouter, déplacer et retirer des boutons du ruban et personnaliser les onglets et les groupes (volets) du ruban.

Pour afficher la page **Personnaliser le ruban**, cliquez avec le bouton droit sur le ruban ou sur la barre d'outils d'accès rapide et sélectionnez **Personnaliser le ruban**, puis sélectionnez **Personnaliser le ruban** sur la gauche de la boîte de dialogue.



Pour ajouter un bouton sur le ruban :

- 1 Sélectionnez un onglet, puis un volet, dans la liste de gauche, pour afficher les boutons.
- 2 Sélectionnez le bouton que vous voulez ajouter au ruban.
- 3 Dans la liste de droite, sélectionnez l'onglet et le groupe (volet) auquel vous voulez ajouter le bouton.



Vous ne pouvez ajouter qu'à un groupe perso.

- 4 Cliquez sur **Ajouter** pour ajouter le bouton sélectionné au groupe sélectionné.

Retirer — Sélectionnez un bouton dans la liste de droite et cliquez sur ce bouton pour le retirer du ruban.

Nouvel onglet — Cliquez sur ce bouton pour créer un nouvel onglet perso.

Nouveau groupe — Cliquez sur ce bouton pour créer un nouveau groupe perso, ou volet, dans l'onglet perso sélectionné.

Renommer — Sélectionnez un élément dans la liste sur la droite et cliquez sur ce bouton pour le renommer. Cela change le nom qui est affiché sur le ruban. Vous pouvez utiliser différents noms pour le même bouton à différents endroits.

Réinitialiser — Cliquez sur ce bouton pour réinitialiser le ruban par défaut.

Importer/Exporter — Cliquez sur ces boutons pour importer des fichiers de personnalisation xml ou pour exporter l'onglet personnalisé en fichier xml.

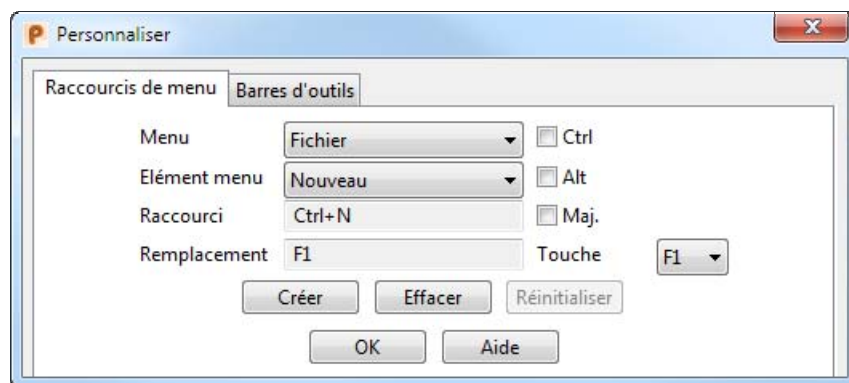
boite de dialogue

Pour masquer le ruban, cliquez avec le bouton droit sur la barre d'outils d'accès rapide et sélectionnez **Réduire le ruban**.

Personnalisation des raccourcis clavier

Vous pouvez créer vos propres raccourcis clavier pour des options dans les onglets.

- 1 Cliquez sur Fichier > Options > Personnaliser les raccourcis clavier.
- 2 Utilisez l'onglet **Raccourcis menu** de la boîte de dialogue **Personnaliser** pour spécifier vos propres raccourcis :



Menu — Sélectionnez une catégorie de commande dans la liste déroulante.

Élément menu — Sélectionnez la commande pour laquelle vous voulez créer un raccourci.

Raccourci — Le raccourci actuel pour la commande sélectionnée. Si un raccourci n'existe pas, **Aucun** est affiché dans la case.

Remplacement — Le raccourci que vous voulez utiliser pour l'option de menu sélectionné.

Ctrl/Alt/Maj — Sélectionnez une option pour utiliser les touches dans le raccourci.

Touche — Une liste de touches que vous pouvez utiliser pour le raccourci. Si aucune touche **Ctrl/Alt/Maj** n'est sélectionnée, vous ne pouvez choisir qu'une des touches de fonction **F**. Si vous sélectionnez les touches **Ctrl**, **Alt** ou **Maj**, vous pouvez choisir n'importe quel caractère alphanumérique ou une touche de fonction **F**.

Créer — Affecte le raccourci de remplacement pour la commande sélectionnée. Le raccourci de remplacement apparaît dans la case **Raccourci** et à côté de l'option de menu. Si un raccourci existe déjà, il vous est demandé si vous voulez changer son utilisation.

Retirer — Retirez le raccourci actuel pour la commande sélectionnée. **Aucun** apparaît dans la case de **raccourci**.

Réinitialiser — Réinitialisez tous les raccourcis à leurs raccourcis d'origine.

OK — Fermez la boîte de dialogue.

Barre d'outils d'accès rapide

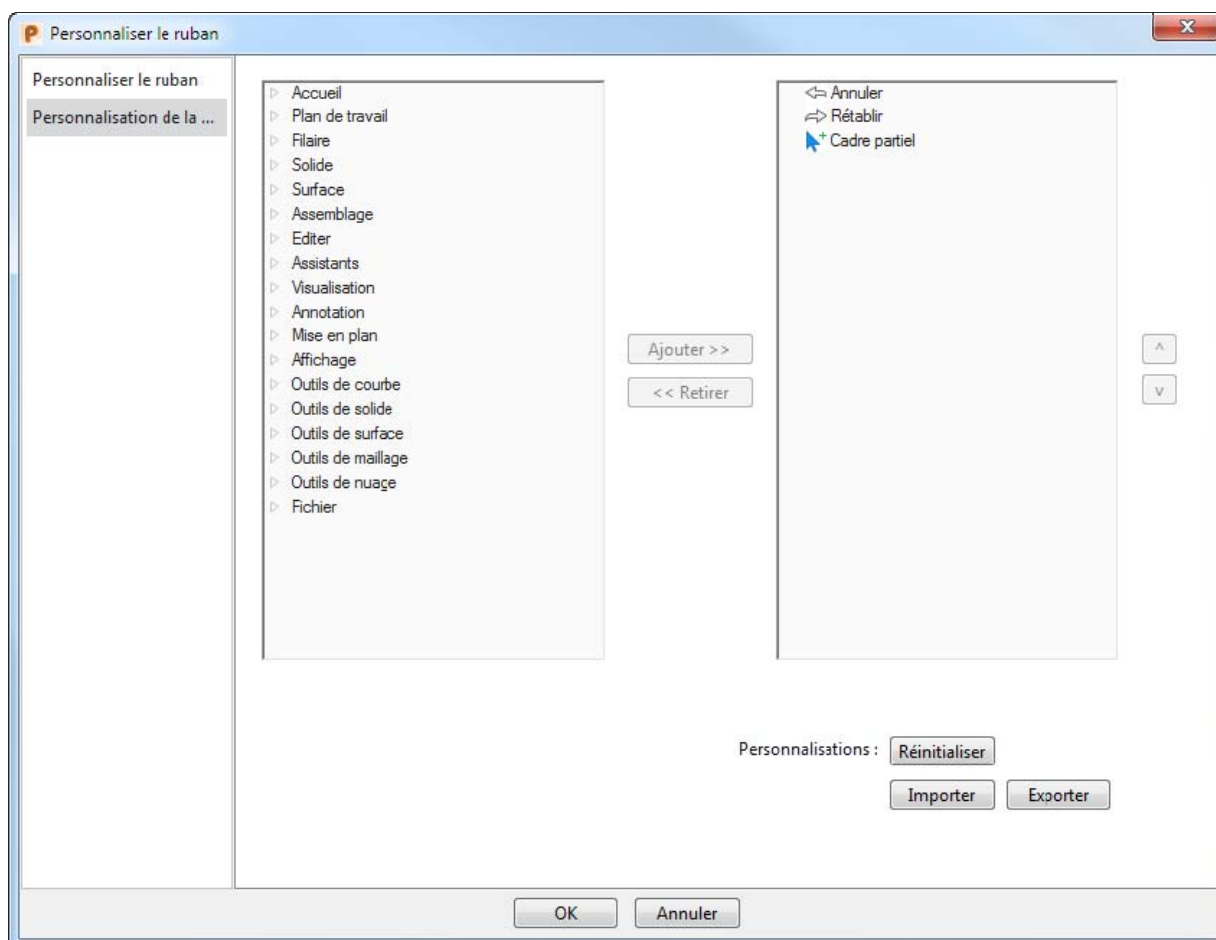
La barre d'outils d'accès rapide affichée au-dessus du ruban vous permet d'utiliser rapidement des fonctions standard tel qu'Enregistrer et Annuler sans utiliser le ruban:



Personnalisation de la barre d'outils d'accès rapide

Vous pouvez utiliser la page **barre d'outils d'accès rapide** de la boîte de dialogue **Personnaliser le ruban** pour ajouter et retirer des boutons de la **barre d'outils d'accès rapide**.

Pour afficher la page **Barre d'outils d'accès rapide**, cliquez avec le bouton droit ou sur la barre d'outils d'accès rapide et sélectionnez **Personnaliser la barre d'outils d'accès rapide**.



Pour ajouter un bouton à la barre d'outils d'accès rapide :

- 1 Sélectionnez un onglet, puis un volet, dans la liste de gauche, pour afficher les boutons.
- 2 Sélectionnez le bouton que vous voulez ajouter à la barre d'outils d'accès rapide.
- 3 Cliquez sur **Ajouter** pour ajouter le bouton sélectionné.

Retirer — Sélectionnez une commande dans la liste de droite et cliquez sur ce bouton pour le retirer de la barre d'outils d'accès rapide.

Réinitialiser — Cliquez sur ce bouton pour réinitialiser la barre d'outils d'accès rapide par défaut.

Importer/Exporter — Cliquez sur ces boutons pour importer des fichiers de personnalisation xml ou pour exporter la barre d'outils d'accès rapide personnalisée en fichier xml.

Pour déplacer la barre d'outils d'accès rapide, cliquez avec le bouton droit sur le ruban ou sur la barre d'outils et sélectionnez **Afficher la barre d'outils d'accès rapide sous le ruban** pour placer la barre d'outils d'accès rapide sous le ruban, ou désélectionnez-la pour la placer au-dessus du ruban.

Qu'est-ce que le navigateur ?

Le **navigateur** est une fenêtre de support supplémentaire dans PowerShape où sont affichées les pages d'accueil et d'aide.

Ouverture de l'explorateur

Pour ouvrir le navigateur :

- 1 Cliquez sur le bouton d'aide  dans le coin en haut à droite de la fenêtre du programme.
- 2 Dans le menu d'aide, sélectionnez :
 - Contenu
 - Mise en route

Utilisation de l'explorateur

Cliquer sur un onglet dans l'explorateur pour afficher les informations :

 **Explorateur** — Cela affiche une page d'informations de bienvenue pour le produit de PowerShape que vous utilisez.

 **Aide** — Cela ouvre le guide d'aide de référence.

Les boutons de navigation sont présents vous aider à trouver l'aide que vous cherchez :



 **Toolmaker** — Cet onglet est actif uniquement quand un assistant de Toolmaker est en route dans l'explorateur.

Pour de plus amples informations sur les onglets de l'explorateur, voir Obtenir de l'aide dans PowerShape (voir "Obtenir de l'aide avec PowerShape" sur la page 17).

Fermeture de l'explorateur

Pour fermer l'explorateur, cliquez sur la croix montrée ci-dessous :



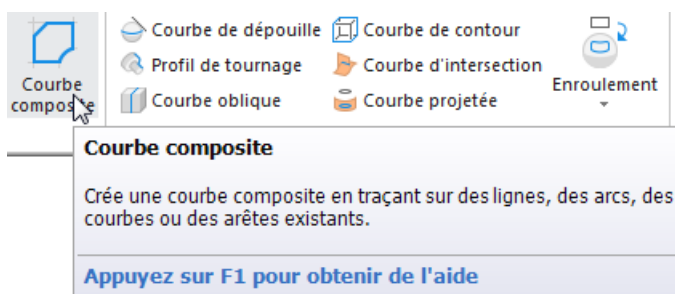
Obtenir de l'aide avec PowerShape

Vous pouvez obtenir de l'aide d'une des façons suivantes :

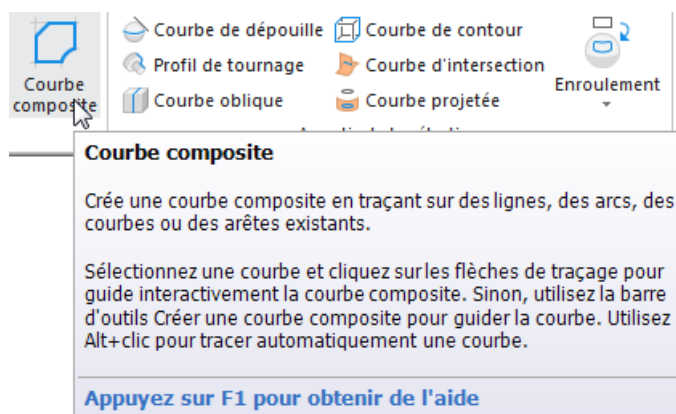
- Info-bulles (sur la page 17)
- Aide contextuelle (sur la page 18)
- Aide de référence (sur la page 19)
- Menu d'aide (sur la page 18)

Info-bulles

Déplacez le curseur sur un bouton pour afficher son info-bulle. Un court survol affiche le contenu de l'info-bulle de premier-niveau, ce qui fournit une courte description de la commande du bouton :



Si disponible, un survol prolongé affiche le contenu de second-niveau, qui fournit une explication étendue :

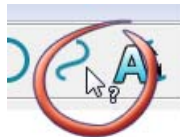


Pour d'avantage d'aide, appuyez sur F1 pour afficher la page pertinente dans l'aide de référence.

Aide contextuelle

Utilisez **Maj+F1** pour accéder à l'aide contextuelle sur les boutons.

Quand vous maintenez la touche **Maj** et appuyez sur **F1**,  s'affiche. Déplacez ceci sur le bouton adéquat et cliquez, par exemple :



L'aide contextuelle est disponible sur les boutons affichés dans les onglets du ruban, mais pas sur les options sur un bouton partagé ou dans les listes de boutons de menu.

Menu d'aide

Utilisez le menu **Aide** pour accéder aux informations à propos de PowerShape et d'Autodesk.

Cliquez sur le bouton **Aide**  dans le coin en haut à droite de l'écran pour afficher le menu **Aide** et sélectionnez un des options :

- **Contenu** — Affiche le manuel d'**aide de référence** dans la fenêtre du navigateur.
- **Quoi de neuf** — Ouvre le dernier manuel **Quoi de neuf** dans une fenêtre flottante distincte.
- **Mise en route** — Affiche le guide de **mise en route** dans une fenêtre flottante distincte.

- **Autodesk Account** — Ouvre la page internet de gestion de compte d'Autodesk dans votre navigateur internet préféré. D'ici, vous pouvez gérer tous les produits et les services auxquels vous vous êtes abonnés, vérifier les mises à jour de logiciel et télécharger d'autres produits de Autodesk.
- **Autodesk Knowledge Network** — Ouvre la page de PowerShape dans Autodesk Knowledge Network. Utilisez cette page interne pour accéder à des vidéos des dernières fonctions, des articles d'aide et des forums de discussions.
- **Autodesk sur le Web** — Ouvre la page d'accueil d'Autodesk ou la page d'accueil de PowerShape, pour les dernières informations à propos d'Autodesk et du logiciel.
- **Analyse de l'utilisation des applications de bureau** — Affiche la boîte de dialogue **Collection et utilisation de données**. La boîte de dialogue inclut des informations à propos du programme d'analyse de l'utilisation des applications de bureau et une case à cocher qui vous permet de spécifier si vous contribuez au programme. Ce réglage s'applique à tous les logiciels d'Autodesk installé sur votre ordinateur.
- **A propos de** — Ouvre la boîte de dialogue **A propos de**, qui affiche des informations à propos de votre installation de PowerShape.

Aide de référence

Pour utiliser le guide d'aide de référence :

- 1 Cliquez sur le bouton **Aide**  dans le coin en haut à droite de la fenêtre de PowerShape pour afficher le menu **Aide**.
- 2 Sélectionner **Contenu** pour afficher l'aide de référence complète dans la fenêtre de l'explorateur.
- 3 Vous pouvez changer l'affichage en sélectionnant ceci :



Affiche l'aide en pleine-largeur dans l'explorateur.



Affiche un volet supplémentaire avec les onglets **Contenu**, **Index**, **Recherche** et **Favoris** pour permettre la navigation dans l'aide.

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